









$$ds^2 = dx_1^2 + dx_2^2 + dx_3^2 - c^2 dt^2$$

$$ds^2 = dx_1^2 + dx_2^2 + dx_3^2 + dt^2$$

$$ds^2 = dx_1^2 + dx_2^2 - c^2 dt^2$$

$$ds^2 = 0 \cdot dx_1^2 + dx_2^2 - c^2 dt^2$$

$$ds^2 = dx_1^2 + dx_2^2 - c^2 dt^2$$

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$$ds^2 = 0 \cdot dx_1^2 + dx_2^2 + dx_3^2 - c^2 dt^2$$

$$ds^2 = dx_1^2 + dx_2^2 + dx_3^2 - c^2 dt^2$$

$$ds^2 = \sqrt{g_{11} - v_1^2} dx_1^2 + \dots + \sqrt{g_{44} - v_4^2} dx_4^2$$

$$x = \gamma(t, x)$$

$$y = \gamma(t, x)$$

$$(x) = \gamma(t, x)$$

$$\Delta x = \gamma(t, x)$$

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